

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/943,664

DATE: 10/26/2001  
TIME: 09:32:36

Input Set : N:\Crf3\temp\09943664.raw.txt  
Output Set: N:\CRF3\10262001\I943664.raw

# 2

ENTERED

1 <110> APPLICANT: Baker, Kevin  
2 Botstein, David  
3 Eaton, Dan  
4 Ferrara, Napoleone  
5 Filvaroff, Ellen  
6 Gerritsen, Mary  
7 Goddard, Audrey  
8 Godowski, Paul  
9 Grimaldi, Christopher  
10 Gurney, Austin  
11 Hillan, Kenneth  
12 Kljavin, Ivar  
13 Napier, Mary  
14 Roy, Margaret  
15 Tumas, Daniel  
16 Wood, William  
17 <120> TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
18 ACIDS ENCODING THE SAME  
19 <130> FILE REFERENCE: P2548P1C1  
20 <140> CURRENT APPLICATION NUMBER: US/09/943,664  
21 <141> CURRENT FILING DATE: 2001-09-26  
22 <150> PRIOR APPLICATION NUMBER: 09/866,028  
23 <151> PRIOR FILING DATE: 2001-05-25  
24 <150> PRIOR APPLICATION NUMBER: 60/067,411  
W--> 25 <151> PRIOR FILING DATE: December 3, 1997  
26 <150> PRIOR APPLICATION NUMBER: 60/069,334  
W--> 27 <151> PRIOR FILING DATE: December 11, 1997  
28 <150> PRIOR APPLICATION NUMBER: 60/069335  
W--> 29 <151> PRIOR FILING DATE: December 11, 1997  
30 <150> PRIOR APPLICATION NUMBER: 60/069,278  
W--> 31 <151> PRIOR FILING DATE: December 11, 1997  
32 <150> PRIOR APPLICATION NUMBER: 60/069,425  
W--> 33 <151> PRIOR FILING DATE: December 12, 1997  
34 <150> PRIOR APPLICATION NUMBER: 60/069,696  
W--> 35 <151> PRIOR FILING DATE: December 16, 1997  
36 <150> PRIOR APPLICATION NUMBER: 60/069,694  
W--> 37 <151> PRIOR FILING DATE: December 16, 1997  
38 <150> PRIOR APPLICATION NUMBER: 60/069,702  
W--> 39 <151> PRIOR FILING DATE: December 16, 1997  
40 <150> PRIOR APPLICATION NUMBER: 60/069,870  
W--> 41 <151> PRIOR FILING DATE: December 17, 1997  
42 <150> PRIOR APPLICATION NUMBER: 60/069,873  
W--> 43 <151> PRIOR FILING DATE: December 17, 1997  
44 <150> PRIOR APPLICATION NUMBER: 60/068,017  
W--> 45 <151> PRIOR FILING DATE: December 18, 1997  
46 <150> PRIOR APPLICATION NUMBER: 60/070,440  
W--> 47 <151> PRIOR FILING DATE: January 5, 1998

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/943,664

DATE: 10/26/2001  
TIME: 09:32:36

Input Set : N:\Crf3\temp\09943664.raw.txt  
Output Set: N:\CRF3\10262001\I943664.raw

48 <150> PRIOR APPLICATION NUMBER: 60/074,086  
W--> 49 <151> PRIOR FILING DATE: February 9, 1998  
50 <150> PRIOR APPLICATION NUMBER: 60/074,092  
W--> 51 <151> PRIOR FILING DATE: February 9, 1998  
52 <150> PRIOR APPLICATION NUMBER: 60/075,945  
W--> 53 <151> PRIOR FILING DATE: February 25, 1998  
54 <150> PRIOR APPLICATION NUMBER: 60/112,850  
W--> 55 <151> PRIOR FILING DATE: December 16, 1998  
56 <150> PRIOR APPLICATION NUMBER: 60/113,296  
W--> 57 <151> PRIOR FILING DATE: December 22, 1998  
58 <150> PRIOR APPLICATION NUMBER: 60/146,222  
W--> 59 <151> PRIOR FILING DATE: July 28, 1999  
60 <150> PRIOR APPLICATION NUMBER: PCT/US98/19330  
W--> 61 <151> PRIOR FILING DATE: September 16, 1998  
62 <150> PRIOR APPLICATION NUMBER: PCT/US98/25108  
W--> 63 <151> PRIOR FILING DATE: December 1, 1998  
64 <150> PRIOR APPLICATION NUMBER: 09/216,021  
W--> 65 <151> PRIOR FILING DATE: December 16, 1998  
66 <150> PRIOR APPLICATION NUMBER: 09/218,517  
W--> 67 <151> PRIOR FILING DATE: December 22, 1998  
68 <150> PRIOR APPLICATION NUMBER: 09/254,311  
W--> 69 <151> PRIOR FILING DATE: March 3, 1999  
70 <150> PRIOR APPLICATION NUMBER: PCT/US99/12252  
W--> 71 <151> PRIOR FILING DATE: June 22, 1999  
72 <150> PRIOR APPLICATION NUMBER: PCT/US99/21090  
W--> 73 <151> PRIOR FILING DATE: September 15, 1999  
74 <150> PRIOR APPLICATION NUMBER: PCT/US99/28409  
W--> 75 <151> PRIOR FILING DATE: November 30, 1999  
76 <150> PRIOR APPLICATION NUMBER: PCT/US99/28313  
W--> 77 <151> PRIOR FILING DATE: November 30, 1999  
78 <150> PRIOR APPLICATION NUMBER: PCT/US99/28301  
W--> 79 <151> PRIOR FILING DATE: December 1, 1999  
80 <150> PRIOR APPLICATION NUMBER: PCT/US99/30095  
W--> 81 <151> PRIOR FILING DATE: December 16, 1999  
82 <150> PRIOR APPLICATION NUMBER: PCT/US00/03565  
W--> 83 <151> PRIOR FILING DATE: February 11, 2000  
84 <150> PRIOR APPLICATION NUMBER: PCT/US00/04414  
W--> 85 <151> PRIOR FILING DATE: February 22, 2000  
86 <150> PRIOR APPLICATION NUMBER: PCT/US00/05841  
W--> 87 <151> PRIOR FILING DATE: March 2, 2000  
88 <150> PRIOR APPLICATION NUMBER: PCT/US00/08439  
W--> 89 <151> PRIOR FILING DATE: March 30, 2000  
90 <150> PRIOR APPLICATION NUMBER: PCT/US00/14042  
W--> 91 <151> PRIOR FILING DATE: May 22, 2000  
92 <150> PRIOR APPLICATION NUMBER: PCT/US00/20710  
W--> 93 <151> PRIOR FILING DATE: July 28, 2000  
94 <150> PRIOR APPLICATION NUMBER: PCT/US00/32678  
W--> 95 <151> PRIOR FILING DATE: December 1, 2000  
96 <150> PRIOR APPLICATION NUMBER: PCT/US01/06520

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/943,664

DATE: 10/26/2001  
TIME: 09:32:36

Input Set : N:\Crif3\temp\09943664.raw.txt  
Output Set: N:\CRF3\10262001\I943664.raw

W--> 97 <151> PRIOR FILING DATE: February 28, 2001

98 <160> NUMBER OF SEQ ID NOS: 120

100 <210> SEQ ID NO: 1

101 <211> LENGTH: 2454

102 <212> TYPE: DNA

103 <213> ORGANISM: Homo Sapien

104 <400> SEQUENCE: 1

```
105 ggactaatct gtgggagcag tttattccag tatcaccag ggtgcagcca 50
106 caccaggact gtgttgaagg gtgttttttt tcttttaaata gtaataacct 100
107 ctcatctttt cttottacac agtgtctgag aacattttaca ttatagataa 150
108 gtagtacatg gtggataact tctactttta ggaggactac tctcttctga 200
109 cagtcctaga ctgggtcttct acactaagac accatgaagg agtatgtgct 250
110 cctattattc ctgggtttgt gctctgcca acccttcttt agcccttcac 300
111 acatcgcact gaagaatatg atgctgaagg atatggaaga cacagatgat 350
112 gatgatgatg atgatgatga tgatgatgat gatgaggaca actctctttt 400
113 tccaacaaga gagccaagaa gccatttttt tccatttgat ctgtttccaa 450
114 tgtgtccatt tggatgtcag tgctattcac gagttgtaca ttgctcagat 500
115 ttaggtttga cctcagtcac aaccaacatt ccatttgata ctgcaatgct 550
116 tgatcttcaa aacaataaaa ttaaggaaat caaagaaaat gattttaaag 600
117 gactcacttc actttatggt ctgactctga acaacaacaa gctaacgaag 650
118 attcacccaa aagcctttct aaccacaaag aagttgcgaa ggctgtatct 700
119 gtcccacaat caactaagt aaataccact taatcttccc aaatcattag 750
120 cagaactcag aattcatgaa aataaagtta agaaaataca aaaggacaca 800
121 ttcaaaggaa tgaatgcttt acacgttttg gaaatgagtg caaacctctt 850
122 tgataataat gggatagagc caggggcatt tgaaggggtg acggtgttcc 900
123 atatcagaat tgcagaagca aaactgacct cagttcctaa aggcttacca 950
124 ccaactttat tggagcttca cttagattat aataaaattt caacagtgga 1000
125 acttgaggat tttaaacgat acaaagaact acaaaggctg ggcttaggaa 1050
126 acaacaaaat cacagatata gaaaatggga gtcttgctaa cataccacgt 1100
127 gtgagagaaa tacatttgga aaacaataaa ctaaaaaaa tcccttcagg 1150
128 attaccagag ttgaaatacc tccagataat cttccttcat tctaattcaa 1200
129 ttgcaagagt gggagtaaat gacttctgtc caacagtgcc aaagatgaag 1250
130 aaatctttat acagtgaat aagtttattc aacaaccggg tgaaatactg 1300
131 ggaaatgcaa cctgcaacat ttcgttgtgt tttgagcaga atgagtgttc 1350
132 agcttgggaa ctttggaatg taataattag taattggtaa tgtccattta 1400
133 atataagatt caaaaatccc tacatttgga atacttgaac tctattaata 1450
134 atggtagtat tatatataca agcaaatac tattctcaag tggtaatcc 1500
135 actgacttat tttatgacaa gaaatttcaa cggaattttg ccaaactatt 1550
136 gatacataag ggggtgagag aaacaagcat ctattgcagt ttcctttttg 1600
137 cgtacaaatg atcttacata aatctcatgc ttgaccattc ctttcttcat 1650
138 aacaaaaaag taagatatc ggtatttaac actttgttat caagcacatt 1700
139 ttaaaaagaa ctgtactgta aatggaatgc ttgacttagc aaaatttggt 1750
140 ctctttcatt tgctgttaga aaaacagaat taacaaagac agtaatgtga 1800
141 agagtgcatt acactattct tattctttag taacttgggt agtactgtaa 1850
142 tatttttaat catcttaaag tatgatattga tataatctta ttgaaattac 1900
143 cttatcatgt cttagagccc gtctttatgt ttaaaactaa tttcttaaaa 1950
144 taaagccttc agtaaatgtt cattaccaac ttgataaatg ctactcataa 2000
145 gagctggttt ggggtatag catatgcttt ttttttttta attattacct 2050
146 gatttaaaaa tctctgtaaa aacgtgtagt gtttcataaa atctgtaact 2100
```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/943,664

DATE: 10/26/2001

TIME: 09:32:36

Input Set : N:\Crif3\temp\09943664.raw.txt

Output Set: N:\CRF3\10262001\I943664.raw

```

147   cgcatttttaa tgatccgcta ttataagctt ttaatagcat gaaaattggt 2150
148   aggcctatata acattgccac ttcaactcta aggaatattt ttgagatata 2200
149   cctttggaag accttgcttg gaagagcctg gacactaaca attctacacc 2250
150   aaattgtctc ttcaaatacg tatggactgg ataactctga gaaacacatc 2300
151   tagtataact gaataagcag agcatcaaat taaacagaca gaaaccgaaa 2350
152   gctctatata aatgctcaga gttctttatg tatttcttat tggcattcaa 2400
153   catatgtaaa atcagaaaac agggaaattt tcattaaaaa tattggtttg 2450
154   aaat 2454
156 <210> SEQ ID NO: 2
157 <211> LENGTH: 379
158 <212> TYPE: PRT
159 <213> ORGANISM: Homo Sapien
160 <400> SEQUENCE: 2
161   Met Lys Glu Tyr Val Leu Leu Leu Phe Leu Ala Leu Cys Ser Ala
162       1           5           10           15
163   Lys Pro Phe Phe Ser Pro Ser His Ile Ala Leu Lys Asn Met Met
164       20           25           30
165   Leu Lys Asp Met Glu Asp Thr Asp Asp Asp Asp Asp Asp Asp
166       35           40           45
167   Asp Asp Asp Asp Asp Glu Asp Asn Ser Leu Phe Pro Thr Arg Glu
168       50           55           60
169   Pro Arg Ser His Phe Phe Pro Phe Asp Leu Phe Pro Met Cys Pro
170       65           70           75
171   Phe Gly Cys Gln Cys Tyr Ser Arg Val Val His Cys Ser Asp Leu
172       80           85           90
173   Gly Leu Thr Ser Val Pro Thr Asn Ile Pro Phe Asp Thr Arg Met
174       95          100          105
175   Leu Asp Leu Gln Asn Asn Lys Ile Lys Glu Ile Lys Glu Asn Asp
176       110          115          120
177   Phe Lys Gly Leu Thr Ser Leu Tyr Gly Leu Ile Leu Asn Asn Asn
178       125          130          135
179   Lys Leu Thr Lys Ile His Pro Lys Ala Phe Leu Thr Thr Lys Lys
180       140          145          150
181   Leu Arg Arg Leu Tyr Leu Ser His Asn Gln Leu Ser Glu Ile Pro
182       155          160          165
183   Leu Asn Leu Pro Lys Ser Leu Ala Glu Leu Arg Ile His Glu Asn
184       170          175          180
185   Lys Val Lys Lys Ile Gln Lys Asp Thr Phe Lys Gly Met Asn Ala
186       185          190          195
187   Leu His Val Leu Glu Met Ser Ala Asn Pro Leu Asp Asn Asn Gly
188       200          205          210
189   Ile Glu Pro Gly Ala Phe Glu Gly Val Thr Val Phe His Ile Arg
190       215          220          225
191   Ile Ala Glu Ala Lys Leu Thr Ser Val Pro Lys Gly Leu Pro Pro
192       230          235          240
193   Thr Leu Leu Glu Leu His Leu Asp Tyr Asn Lys Ile Ser Thr Val
194       245          250          255
195   Glu Leu Glu Asp Phe Lys Arg Tyr Lys Glu Leu Gln Arg Leu Gly
196       260          265          270

```

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/943,664

DATE: 10/26/2001  
TIME: 09:32:36

Input Set : N:\Crf3\temp\09943664.raw.txt  
Output Set: N:\CRF3\10262001\I943664.raw

```

197      Leu Gly Asn Asn Lys Ile Thr Asp Ile Glu Asn Gly Ser Leu Ala
198                      275                      280                      285
199      Asn Ile Pro Arg Val Arg Glu Ile His Leu Glu Asn Asn Lys Leu
200                      290                      295                      300
201      Lys Lys Ile Pro Ser Gly Leu Pro Glu Leu Lys Tyr Leu Gln Ile
202                      305                      310                      315
203      Ile Phe Leu His Ser Asn Ser Ile Ala Arg Val Gly Val Asn Asp
204                      320                      325                      330
205      Phe Cys Pro Thr Val Pro Lys Met Lys Lys Ser Leu Tyr Ser Ala
206                      335                      340                      345
207      Ile Ser Leu Phe Asn Asn Pro Val Lys Tyr Trp Glu Met Gln Pro
208                      350                      355                      360
209      Ala Thr Phe Arg Cys Val Leu Ser Arg Met Ser Val Gln Leu Gly
210                      365                      370                      375
211      Asn Phe Gly Met
213 <210> SEQ ID NO: 3
214 <211> LENGTH: 20
215 <212> TYPE: DNA
216 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Synthetic Oligonucleotide Probe
219 <400> SEQUENCE: 3
220      ggaaatgagt gcaaaccctc 20
222 <210> SEQ ID NO: 4
223 <211> LENGTH: 24
224 <212> TYPE: DNA
225 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Synthetic Oligonucleotide Probe
228 <400> SEQUENCE: 4
229      tcccaagctg aacactcatt ctgc 24
231 <210> SEQ ID NO: 5
232 <211> LENGTH: 50
233 <212> TYPE: DNA
234 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: Synthetic Oligonucleotide Probe
237 <400> SEQUENCE: 5
238      gggtagcggt gttccatatt agaattgcag aagcaaaact gacctcagtt 50
240 <210> SEQ ID NO: 6
241 <211> LENGTH: 3441
242 <212> TYPE: DNA
243 <213> ORGANISM: Homo Sapien
244 <400> SEQUENCE: 6
245      cggacgcgtg ggcgacgcg tgggcccgcg gcaccgcccc cggcccggcc 50
246      ctccgccttc cgcactcgcg cctccctccc tccgcccgtt cccgcgccct 100
247      cctccctccc tctccccag ctgtcccgtt cgcgtcatgc cgagcctccc 150
248      ggccccgcgc gcccgctgc tgctcctcgg gctgctgctg ctcggtctcc 200
249      ggccggcccc cggcgccggc ccagagcccc ccgtgctgcc catccgttct 250

```

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/943,664

DATE: 10/26/2001  
TIME: 09:32:37

Input Set : N:\Crf3\temp\09943664.raw.txt  
Output Set: N:\CRF3\10262001\I943664.raw

L:25 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:27 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:29 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:31 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:33 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:35 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:37 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:39 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:41 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:43 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:45 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:47 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:49 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:51 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:53 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:55 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:57 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:59 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:61 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:63 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:65 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:67 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:69 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:71 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:73 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:75 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:77 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:79 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:81 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:83 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:85 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:87 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:89 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:91 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:93 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:95 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:97 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD